



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|------------------------|---------------------|------------------|
| 09/847,382 | 05/03/2001 | Jeffrey Richard Conrad | 10006614-1 | 6078 |

7590

02/01/2006

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

| |
|----------|
| EXAMINER |
|----------|

BRUCKART, BENJAMIN R

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2155

DATE MAILED: 02/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|----------------------------------|-------------------------------|--|
| Office Action Summary | Application No. 09/847,382 | Applicant(s) CONRAD ET AL. | |
| | Examiner Benjamin R. Bruckart | Art Unit 2155 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 November 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-14 and 16-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-14 and 16-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

Status of Claims:

Claims 1-4, 6-14, 16-19 are pending in this Office Action.

Claims 1, 2, 6-8, 14, 17 remain amended.

Claims 5, 15, and 20 remain cancelled.

Response to Arguments

Applicant's arguments filed in the amendment filed 11/30/05, have been fully considered but they are moot in view of new grounds of rejection.

Applicant's invention as claimed:

Claim 1-4, 6-14, 16-19 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,631,409 by Watson et al.

Regarding claim 1, a method of providing information related to one or more networks (Watson: col. 2, lines 3-13), the method comprising:

displaying a plurality of filter criteria (Watson: col. 9, lines 35-39), wherein in the displayed criteria comprises a list of a plurality of status levels (Watson: col. 6, lines 55- col. 7, line 29);

receiving a user selection of one or more of said displayed filter criteria (Watson: col. 7, lines 19-29);

retrieving network device information related to a plurality of network devices in said one or more networks which satisfy said criteria (Watson: col. 7, lines 30-49); and

creating for display on a single display page a visual representation of said network device information (Watson: col. 5, lines 59-col. 6, line 7), said visual representation including

two or more network segment visually distinguishable from any other at least one network segments included in the visual representation by indicia (Watson: col. 5, lines 59-col. 6, line 7; Fig. 5G), wherein said visual representation of each of said network segments comprises a plurality of network devices which satisfy said filter criteria (Watson: col. 7, lines 9-29).

Regarding claim 2, the method of claim 1, wherein said retrieving network device information comprises:

retrieving network segment information for each of said network devices which satisfy said filter criteria (Watson: col. 7, lines 19-29), said network segment information defining which of said network segments to which said each of said network devices is physically connected (Watson: Fig. 5G).

Regarding claim 3, the method of claim 2, wherein said creating a visual representation of said network device information comprises:

creating said visual representation based on said retrieved network segment information (Watson: col. 7, lines 19-49).

Regarding claim 4, the method of claim 3, wherein said network segment information includes information related to said one or more segments, and wherein said creating a visual representation of said network device information comprises:

creating said visual representation whereby said visual representation is divided into said one or more segments (Watson: col. 5, lines 59- col. 6, line 7; Fig. 5G; spans, channels).

Regarding claim 6, the method of claim 4, wherein said creating a visual representation of said network device information further comprises:

creating said visual representation such that said visual representation includes an indicia indicating a division between each of said network segments (Watson: col. 5, lines 59- col. 6, line 7; Fig. 5G; spans, channels).

Regarding claim 7, the method of claim 4, wherein said creating a visual representation of said network device information further comprises:

creating said visual representation whereby said visual representation illustrates connectivity of said network devices (Watson: col. 5, lines 59- col. 6, line 7; Fig. 5G).

Regarding claim 8, the method of claim 4, wherein said creating a visual representation of said network device information further comprises:

creating said visual representation whereby said visual representation illustrates connectivity of said segments (Watson: col. 5, lines 59- col. 6, line 7; Fig. 5G).

Regarding claim 9, the method of claim 1, wherein said retrieving network device information further comprises:

retrieving said network device information from a database (Watson: col. 6, lines 19-54).

Regarding claim 10, the method of claim 1, wherein said receiving at least one filter comprises:

receiving said filter information whereby said filter information includes at least one node type (Watson: col. 7, lines 19-29).

Regarding claim 11, the method of claim 10, wherein said receiving at least one filter comprises:

receiving said filter information whereby said filter information includes at least one node attribute (Watson: col. 7, lines 19-29).

Regarding claim 12, the method of claim 11, wherein said at least one node attribute comprises at least one node status, and said receiving at least one filter comprises:

receiving said filter information whereby said filter information includes at least one status level (Watson: col. 6, lines 55- col. 7, line 29).

Regarding claim 13, the method of claim 1, further comprising:

displaying said visual representation (Watson: col. 5, lines 59- col. 6, line 7; Fig. 5G).

Regarding claim 14, a network management node connected to one or more networks (Watson: col. 2, lines 3-13), said network management node comprising:

a plurality of modules stored on a computer readable medium (Watson: col. 11, lines 22-34); and

a database storing information related to a plurality of network devices in said one or more networks (Watson: col. 6, lines 19-54), wherein said plurality of modules are operable to display a plurality of filter criteria (Watson: col. 9, lines 35-39), wherein in the displayed criteria comprises a list of a plurality of status levels (Watson: col. 6, lines 55- col. 7, line 29), receive a user selection of one or more of said display filter criteria (Watson: col. 7, line 19-29); store filter information regarding said selection of filter criteria in the database (Watson: col. 6, lines 57-60); retrieve network device information based on said information from said database (Watson: col. 7, lines 30-49); and create a visual representation of said network device information (Watson: col. 5, lines 59-col. 6, line 7), said visual representation including two or more network segments each visually distinguishable from any other at least one network segment included in the visual representation by an indicia (Watson: col. 5, lines 59-col. 6, line 7; Fig. 5G), wherein said visual representation of each of said network segments comprises a plurality of network devices which satisfy said selected criteria (Watson: col. 7, lines 9-29).

Regarding claim 16, the network management node of claim 14, further comprising:

a network interface operable to transmit said visual representation of said network device information over the Internet (Watson: col. 6, lines 65- col. 7, line 4).

Regarding claim 17, a computer readable medium on which is embedded a program, the program performing a method for providing information related to one or more networks (Watson: col. 2, lines 3-13), the method comprising:

displaying a plurality of filter criteria (Watson: col. 9, lines 35-39), wherein in the displayed criteria comprises a list of a plurality of status levels (Watson: col. 6, lines 55- col. 7, line 29);

receiving a user selection of one or more of said displayed filter criteria (Watson: col. 7, line 19-29);

retrieving network device information based on said selected criteria, said network device information being related to one or more network devices in said a plurality of networks (Watson: col. 7, lines 30-49); and

creating a visual representation of said network device information (Watson: col. 5, lines 59-col. 6, line 7), said visual representation including two or more network segments each visually distinguishable from any other network segment included in the visual representation by an indicia (Watson: col. 5, lines 59-col. 6, line 7; Fig. 5G), wherein said visual representation of each of said network segments comprises a plurality of network devices which satisfy said selected criteria (Watson: col. 7, lines 9-29).

Regarding claim 18, the computer readable medium of claim 17, wherein said filter information comprises:

at least one node type (Watson: col. 6, line 55-col. 7, line 29).

Regarding claim 19, the computer readable medium of claim 18, wherein said filter information comprises:

node status, and at least one status level (Watson: col. 7, lines 9-19).

REMARKS

Applicant has amended the independent claims to emphasis filter criteria in display of the visual representation of the network.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

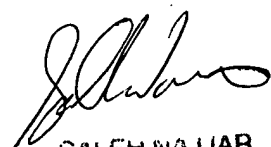
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R. Bruckart whose telephone number is (571) 272-3982. The examiner can normally be reached on 8:00-5:30PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2155

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Benjamin R Bruckart
Examiner
Art Unit 2155
brb



SALEH NAJJAR
SUPERVISORY PATENT EXAMINER